UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,875	09/19/2003	Jakke Makela	872.0152.U1(US)	8891

29683 7590 01/17/2007 HARRINGTON & SMITH, LLP 4 RESEARCH DRIVE SHELTON, CT 06484-6212	**EXAMINER** DOAN, PHUOC HUU

ART UNIT	PAPER NUMBER
2617	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/17/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

PTOL-90A (Rev. 10/06)

	Application No.	Applicant(s)
Office Action Summary	10/666,875	MAKELA ET AL.
	Examiner	Art Unit	
	PHUOC H. DOAN	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>24 November 2006</u>.

2a) ☒ This action is **FINAL**.   2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-62</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☒ Claim(s) <u>27,34 and 36</u> is/are allowed.

6) ☒ Claim(s) <u>1-26,28-33,35 and 37-62</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1.   Claims 1, 24, 25, and 26 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claim(s) 1, 24, 25, and 26 have been amended "the editable object send locally generated edit commands **directly** to other mobile terminals of the plurality of mobile terminals" was not support by the applicant's specification or amendments to the specification. Claim(s) are required correction in appropriated.

Response to Arguments

2.   Applicant's arguments filed 11/24/2006 have been fully considered but they are not persuasive.

In response to the Applicant's remarks in the following:

Applicant's argues on the remarks pages 10-12.

In response, Lin still clearly read on the claim(s) language such as where the mobile terminals that are used for editing the editable object send locally generated edit commands **directly** to other mobile terminals of the set of mobile terminals, even the claim(s) have amendment under 35 U.S.C. 112, first paragraph. Lin discloses where the mobile terminals that are used for editing the editable object send locally generated edit commands **directly** to other mobile terminals of the set of mobile terminals (See detail in col. 2, par. [0030-0031] **"editing/command-setting can be transmitted between two mobile devices.** The first mobile device 104 and the second mobile device 106 can be data synchronized and both can access data via a wireless connection. Therefore, data transmission between the first mobile device 104 and the second mobile device 106 can be achieved by a wired or wireless connection. The server 100 is a memory of data storage that is required the editable object located, the main idea of Lin discloses **editing/command-setting can be transmitted between two mobile devices in simultaneously, real-time online"**, and col. 3, par. [0039-0040]; when the first mobile device 104 and the second mobile device 106 are synchronized, data synchronization follow the corresponding interface setting and **function key setting onto the mobile device(s)**.

The examiner remind the basis of data "object" transmitted over the

wireless or the internet are required the data to be located, for example such

as memory, storage, data base, server, computer's storage, DVD, ROM,

EPROM (also referred to see the applicant's specification on page 6, lines

12-17; the editable object can be remote e.g. received from an image

archive via the internet).

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102

that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4.   Claims **1, 13-14, 20-26, 29-30, 32, 35, and 42-45** are rejected under 35

U.S.C. 102(e) as being anticipated by **Lin (US Pub No: 2004/0051737).**

As to claim 1, Lin discloses a method to operate a plurality of mobile terminals

(Fig. 1,items 104, 106), comprising: storing an editable object in the plurality of

mobile terminals (col. 3, par. [0042]), and simultaneously editing the editable

object "col. 1, par. [0027], interface editing and online real-time accessing" using

at least some of the plurality of mobile terminals (col. 2, par. [0030]), where the

mobile terminals that are used for editing the editable object send locally generated

edit commands to other mobile terminals of the set of mobile terminals (col. 2, par.

[0030-0031] **"editing/command-setting can be transmitted between two mobile**

devices", and col. 3, par. [0039-0040]).

As to claim 13, Lin further discloses a method as described in claim 1, where

individual ones of the plurality of mobile terminals indicate when modifications

have been made to the editable object (col. 2, par. [0032-0033]).

As to claim 20, Lin further discloses a method as described in claim 1, where each

edited instance is a file (col. 2, par. [0032]).

As to claim 21, Lin further discloses a method as described in claim 1, where each

edited instance may be appended to a hard copy (col. 2, par. [0032], [0035]).

As to claim 22, Lin further discloses a method as described in claim 1, where there

is only one hard copy of the editable object (col. 2, par. [0030].

As to claim 23, Lin further discloses a method as described in claim 22, where the

hard copy is the original version of the editable object (col. 2, par. [0030], which

uses Win CE as its operation systems).

As to claim 24, the claim is rejected for the same reason as set forth in claim 1.

As to claim 25, the claim specifies an apparatus necessary to perform the method

steps as specified in claim 1 and is therefore rejected for the same reason.

As to claim 26, the claim is rejected for the same reason as set forth in claim 1.

As to claim 29, Lin further discloses a wireless communication system as

described in claim 26, where the information further comprises other user's Shared

Edited Instances (Fig. 3B, col. 2, par. 0033]).

As to claim 30, Lin further discloses a wireless communication system as

described in claim 26, where the information further comprises other user's editing

commands (col. 2, par. [0031]).

As to claim 32, Lin further discloses a wireless communication system as

described in claim 26, where the editable object comprises image data (col. 2, par.

[0032]).

As to claim 35, Lin further discloses a wireless communication system as

described in claim 26, where the plurality of mobile terminals indicate via the

wireless communication system when modifications have been made to the

editable object (col. 2, par. [0030]).

As to claim 14, Lin further discloses a wireless communication system as

described in claim 27, where at least one of the shared edited instances is

downloaded from the user's shared area to the user's personal area (col. 2, par.

[0035], and col. 3, par. [0039-0040]).

As to claim 42, Lin further discloses a wireless communication system as

described in claim 26, where each edited instance is a separate file (col. 2, par.

[0031-0032]).

As to claim 43, the claim is rejected for the same reason as set forth in claim 21.

As to claim 44, the claim is rejected for the same reason as set forth in claim 22.

As to claim 45, the claim is rejected for the same reason as set forth in claim 23.

Claim Rejections - 35 USC § 103

5.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for

all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6.   Claims **2-3, 11-12** are rejected under 35 U.S.C. 103(a) as being unpatentable

over Lin in view of **Lee (US Pub No: 2004/0015548).**

As to claim 2, Lin discloses all the limitation in method as in claim 1. However,

Lin doest not disclose where a memory area of the plurality of mobile terminals

comprises a working memory area used during editing and a permanent storage

memory area.

Lee discloses where a memory area of the plurality of mobile terminals comprises

a working memory area used during editing and a permanent storage memory area

(col. 3, par. [0033]). Therefore, it would have been obvious to one of ordinary skill

in the art at the time the invention was made to provide the memory as taught by

Lee to the method of Lin in order to expanse the storage.

As to claim 3, the claim is rejected for the same reason as set forth in claim 2.

As to claim 11, Lee further discloses method as described in claim 3, where the

information in the shared area is automatically synchronized between all users (col.

5, par. [0044]).

As to claim 12, Lee further discloses a method as described in claim 3, where the

information in the personal area comprises at least one edited instance of the

editable object (col. 6, par. [0049]).

7.   Claims **4-10, 15-18, 33, 37-40, 46-62** are rejected under 35 U.S.C. 103(a) as

being unpatentable over Lin in view of **Gelernter (US Pub No: 2004/0139396)**.

As to claim 4, Lin does not disclose where at least one of the plurality of mobile

terminals initiates an editing process whereby information comprising at least one

of a hard copy or edited instance is sent from at least one mobile terminal to at least one other of the plurality of mobile terminals.

In the same field of invention, Gelernter specifically discloses where at least one of the plurality of mobile terminals initiates an editing process whereby information comprising at least one of a hard copy or edited instance is sent from at least one mobile terminal to at least one other of the plurality of mobile terminals (col. 14, par. [0158]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a hard copy or edited instance is sent from at least one mobile terminal to at least one other of the plurality of mobile terminals as taught by Gelernter to the system of Lin in order to share of the streaming of object at the same time with real-time.

As to claim 5, Gelernter further discloses a method as described in claim 4, where the information sent comprises the user's Own Edited Instance of the editable object (col. 9, par. [0091]).

As to claim 6, Gelernter further discloses a method as described in claim 4, where the information sent comprises other user's Shared Edited Instances (col. 5, par. [0057]).

As to claim 7, Gelernter further discloses a method as described in claim 4, where the information sent comprises a user's own editing commands (col. 6, par.

[0069]).

As to claim 8, Gelernter further discloses a method as described in claim 4, where

the information sent comprises other user's editing commands (col. 6, par. [0069]).

As to claim 9, Gelernter further discloses a method as described in claim 4, where

the information sent comprises contextual control information (col. 5, par. [0057-

0058]).

As to claim 10, Gelernter further discloses a method as described in claim 9,

where the contextual control information conveys user information (col. 5, par.

[0054-0057]).

As to claim 15, 37, Gelernter further discloses a wireless communication system

as described in claim 26, where each editable object comprises at least a content

part and at least one comment field (col. 3, par. [0020]).

As to claim 16, 38, Gelernter further discloses a wireless communication system

as described in claim 37, where a first comment field is designated a hard copy ID

field (col. 7, par. [0081]).

As to claim 17, 39, Gelernter further discloses a wireless communication system

as described in claim 38, where another comment field is designated an edited

instance ID field (col. 14, par. [0158]).

As to claim 18, 40, Gelernter further discloses a wireless communication system

as described in claim 39, wherein when the contents of the content part is changed

a new hard copy is formed and tagged with a new ID and the hard copy ID field is

changed (col. 14, par. [0158]).

As to claim 33, Lin does not disclose where the editable object further comprises

audio data.

Gelernter discloses where the editable object further comprises audio data (col. 3,

par. [0020]). Therefore, it would have been obvious to one of ordinary skill in the

art at the time the invention was made to provide the editable object further

comprises audio data as taught by Gelernter to the system of Lin in order to has

flexible in use of mobile device in term of data transmit.

As to claim 46, Gelernter further discloses all the limitation in col. 14, par.

[0158]).

As to claim 47, Gelernter further discloses all the limitation in col. (col. 4, par.

[0033], [0037]).

As to claim 48, 49, Gelernter further discloses all the limitation in col. 14-15, par.

[0158-0160]).

As to claim 49-57, 59, Gelernter further discloses all the limitation in col. 3, par.

[0020], and col. 4, par. [0033]).

As to claim 58, Gelernter further discloses all the limitation in col. 12, par. [0139-0140].

As to claim 60, 61, Gelernter further discloses all the limitation in col. 14, par. [0158].

As to claim 58, Gelernter further discloses all the limitation in col. 5, par. [0057-0062].

8.   Claims **19, and 41** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin in view of **Egawa (US Pub No: 2004/0125126).**

As to claim 19, Lin does not disclose a method as described in claim 1, where each edited instance has a unique ID associated with it.

Egawa discloses a method as described in claim 1, where each edited instance has a unique ID associated with it (col. 4, par. [0064-0067]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the unique ID as taught by Egawa to the method of Lin in order to has a ID of edit object.

As to claim 41, the claim is rejected for the same reason as set forth in claim 19.

9.   Claims **28, and 31** are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin in view of **Henriksson (US Pub No: 2005/0052341).**

As to claim 28, Lin does not disclose where the information further comprises a user's Own Edited Instance.

Henriksson discloses where the information further comprises a user's Own Edited Instance (col. 4, par. [0037-0038]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide a user's Own Edited Instance as taught by Henriksson to the system of Lin in order to has a tool which able to edit the object.

As to claim 31, Lin does not discloses where the information further comprises contextual information to convey coordination, control and status information regarding the collaborative editing of the editable object.

Henriksson discloses where the information further comprises contextual information to convey coordination, control and status information regarding the collaborative editing of the editable object (col. 3, par. [0031-0033]). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the collaborative editing of the editable object as taught by Henriksson to the system of Lin in order to has a tool which able to edit the object.

Allowable Subject Matter

10.   Claim 27, 34, and 36 are allowed.

As to claim 27, the prior art of Lin and yyy either a lone or combination, do not disclose a wireless communication system comprising a plurality of mobile terminals at least one comprising means for editing an editable object and for transmitting information that comprises edit commands, via the wireless communications system, to others of the plurality of mobile terminals for implementing collaborative editing of said editable object, where the mobile terminal further comprises a memory area divided into a working memory area and a permanent storage memory area, further logically divided into a personal area and a shared area, where information in the personal area includes at least one edited instance of the editable object.

Dependent claims 34, and 36 are allowed by virtue of dependency in claim 27.

Conclusion

11.   Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**.

See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC H. DOAN whose telephone number is 571-272-7920. The examiner can normally be reached on 9:30 AM - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOSEPH FEILD can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR

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the automated information system, call 800-786-9199 (IN USA OR CANADA) or

571-272-1000.

Phuoc Doan
12/27/06

JEAN GELIN
PRIMARY EXAMINER